

1360 0001

July 2 PACIFIC PORTLAND CEMENT CO. Gerlach.
Mr. Murdock, Superintendent(311)
Item 1

200 years reserve 95% Gypsum (CaSO_4 & $2\text{H}_2\text{O}$) at present rate of extraction - 480 tons per day. SiO_2 and lime are impurities with anhydrite near edge and bottom of pit. Some selenite - crystalline gypsum. Granites in near proximity have metamorphosed sediments similar to those seen at Sand Springs. Also tungsten showings, limestones principal sediments.

Plant started in 1924; 5 million tons mined. No mining done in winter - stockpiled at mill. Churn drill blasting - 65,000 tons in one blast - little secondary blasting. 2-yd. A.C. shovel (used at Parker Dam and converted to elect.) 1' to 2' overburden on ore and stripped with scraper. Ore to bin by truck (used to use train) From bin to hammer mill then to 5.7 mile aerial tram to plant. Mr. Murdock states 15¢ per ton cost of tramming - seems excessive, 10,000 ft. drive cable replaced per year. 1-1/4" and 7/8" track cable, 5/8" drive cable. 156-1750# capacity buckets - travel about 5 miles per hour - one shift on mining and tramming 1000' drop to mill. Motor to start tram, regenerative after started. 9 products from plant - Casting plaster, fast and slow setting plaster, chicken grit, retarder for cement, etc. 15 products sold as dealer in board, etc., from east - stored at Gerlach - middle of desert. Power: 8 - 400 H.P. diesels - two to a generator. 0.7 power factor.

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